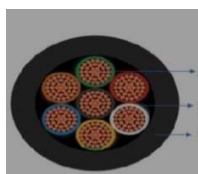


CABLE



FLEXIBLE Bunched Copper Conductor
Insulation
outer sheath

MULTICORE FLEXIBLE CABLE

Document ID	
Particulars	19 CORE X 1 Sq .mm
Name of MANUFACTURER	AMPSCAB INDIA PVT LTD
Type of cable	YY
Voltage Grade (Volts)	1100
No of cores x size in sq.mm	19 CORE X 1 SQ.mm
Conductor	
Material	Plainannealed high conductivity copper conductor as per class 5 of
b) Max. d.c. resistance of conductor at 20 C ohm/km)	3
c) shape of conductor	19.5
Insulation	
a) Material	FR-LSH PVC TYPE D as per IS 5831/1984 latest
b) Nominal thickness (mm)	0.6
c) core identification	As per Annexure-1
Outer Sheath	
a) Material	PVC TYPE D as per IS 5831/1984 Latest
b) Nominal thickness (mm)	1.3
c) Colour of outer sheath	Black
Approx overall diameter of the cable in mm	15+/-2
Maximum conductor temperature under normal operating condition	70°
Maximum conductor temperature at the terminal	160°
Cof short circuit	
Electrical Parameters	
a) Max ac resistance of conductor at operating	23.33
b High voltage test (kv)	3
Continuous Current carrying capacities	
a) In Air at 40 C (A)	12
APPLICABLE Standard	is 2130/2013 IS 5831/1984 IS 694/2010 ETC with latest up to date updates
Minimum bending radius	8 times Overall diameter
FR-LSH Properties	

- a) Oxygen index
- b) Temperature index
- c) Smoke density rating
- d) Acid gas generation
- standard packing length

MIN 29 % as per ASTM D- 2863
 MIN 250° Deg C as per ASTM D-2843
 MAX 60% AS PER ASTM D- 2843
 MAX 20% AS PER IEC 60754-1
 100 Meter coil 300 meter coil 500
 1000 m
 (Higher quantity in wooden drum)

Annexure-1			
Colour Scheme for Multicore flexible cable 6 core and above			
Sr No	Printing No	Basic Colour	Stripe
1		Yellow	Green
2	1	Black	...
3	2	White	...
4	3	Red	...
5	4	Green	...
6	5	Orange	...
7	6	Blue	
8	7	White	Black
9	8	Red	Black
10	9	Green	Black
11	10	Orange	Black
12	11	Blue	Black
13	12	Black	White
14	13	Red	White
15	14	Green	White
16	15	Blue	White
17	16	Black	Red
18	17	White	Red
19	18	Orange	Red
20	19	Blue	Red
21	20	Red	Green
22	21	Orange	Green
23	22	Black	Green
24	23	Blue	Green
25	24	White	Green
26	25	Black	Orange